



The State of New Hampshire  
*Department of Environmental Services*

Michael P. Nolin  
Commissioner



**AGGREGATED PRECIPITATION DATA for N.H.  
DROUGHT MANAGEMENT AREAS**

	Actual Rainfall (inches)	Normal Rainfall (inches)	Deviation from Normal (inches)	Percent of Normal
<u><b>Coastal Drainage:</b></u> Rockingham, Strafford counties				
four month	20.68	13.14	7.54	157%
six month	25.56	16.36	9.20	156%
nine month	35.71	27.90	7.81	128%
twelve month	51.85	37.78	14.07	137%
<u><b>Southern Interior:</b></u> Belknap, Hillsborough, Merrimack counties				
four month	17.30	13.41	3.89	129%
six month	21.21	16.64	4.57	127%
nine month	29.69	28.01	1.68	106%
twelve month	42.98	38.27	4.72	112%
<u><b>South Western:</b></u> Cheshire, Sullivan counties				
four month	16.47	13.74	2.73	120%
six month	19.78	16.94	2.84	117%
nine month	27.52	27.94	-0.42	98%
twelve month	41.42	38.38	3.04	108%
<u><b>White Mountain:</b></u> Carroll, Grafton counties				
four month	16.01	13.32	2.69	120%
six month	19.37	16.28	3.09	119%
nine month	28.10	27.28	0.82	103%
twelve month	41.33	38.06	3.27	109%
<u><b>North Country:</b></u> Coos county				
four month	18.00	13.28	4.72	136%
six month	21.61	16.00	5.61	135%
nine month	31.86	26.40	5.46	121%
twelve month	46.19	37.76	8.43	122%

four month period : March 2005 - June 2005

six month period : January 2005 - June 2005

nine month period : October 2004 - June 2005

twelve month period: July 2004 - July 2005

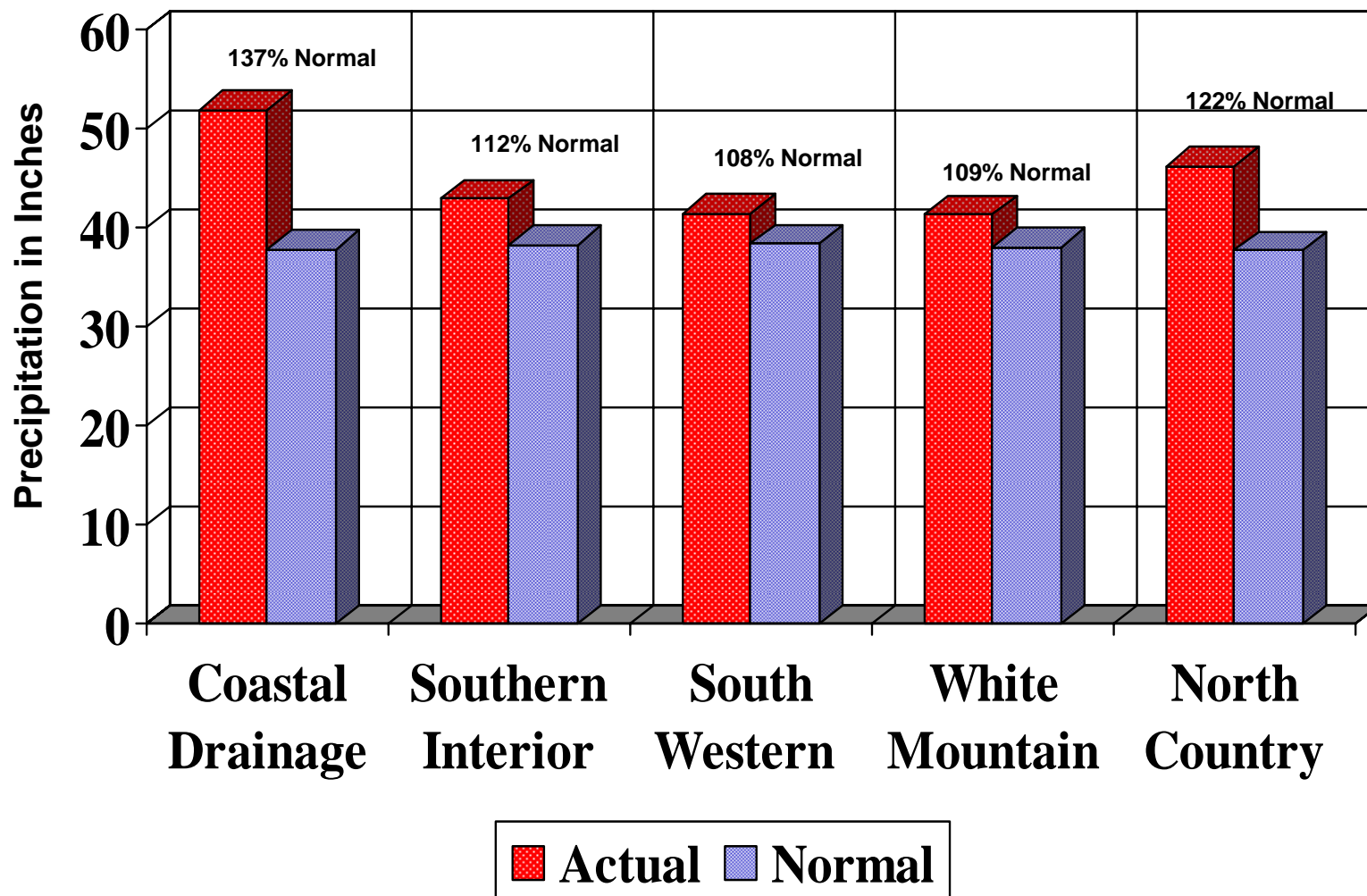
Source: Northeast River Forecast Center, NH Des Dam Bureau

**P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095**

Telephone: (603) 271-3503 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964

DES Web site: [www.des.nh.gov](http://www.des.nh.gov)

# TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from July 2004 through June 2005



# MONTHLY PRECIPITATION DATA FOR N.H COUNTIES



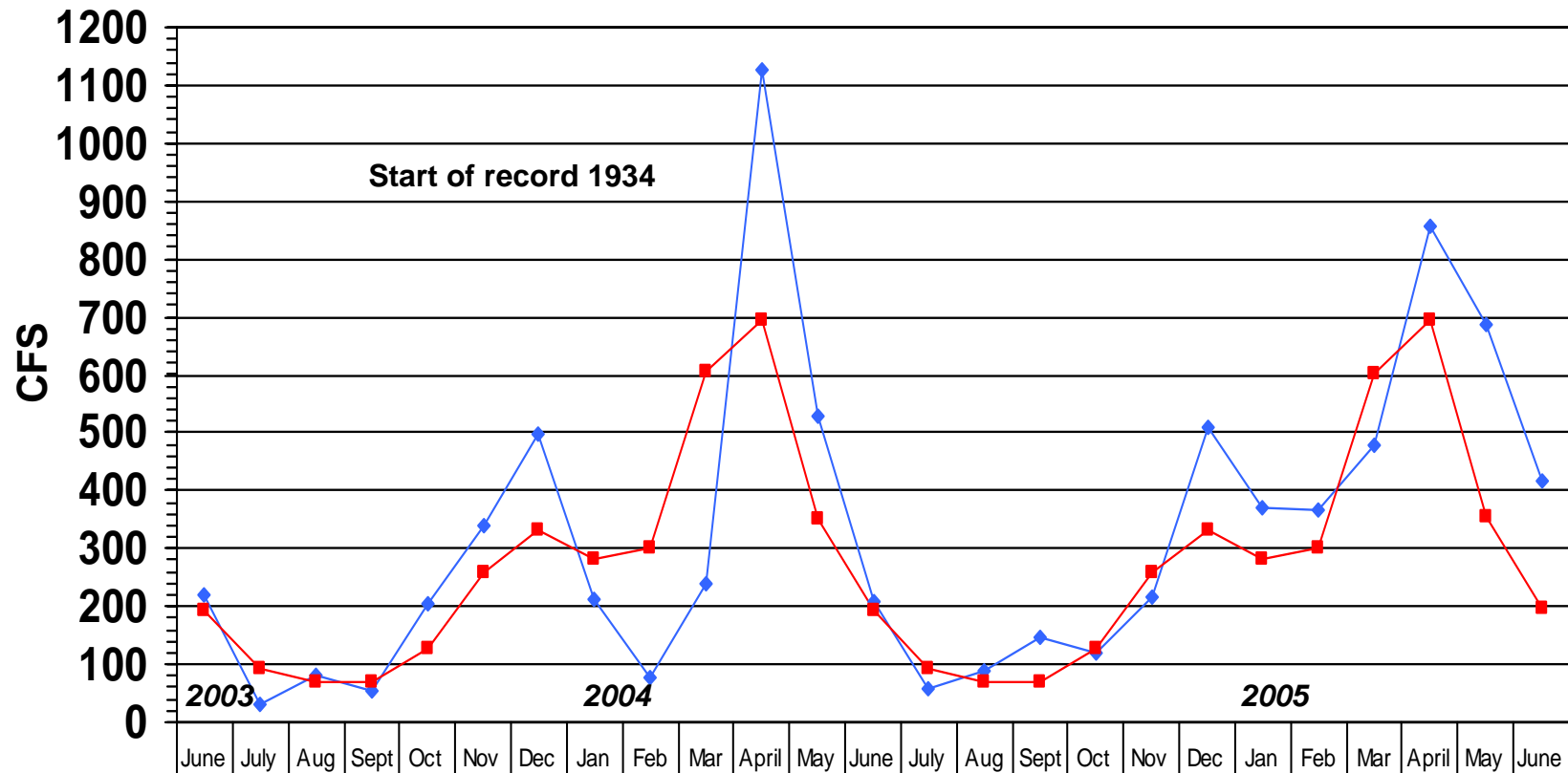
		2004						2005					
		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE
<u>Coastal drainage</u>													
STRAFFORD	actual	4.85	6.57	5.09	2.05	4.32	4.15	3.89	1.00	4.72	5.45	7.21	4.24
	normal	3.12	3.28	3.32	3.48	4.12	3.76	3.12	0.00	3.20	3.40	3.28	3.04
	deviation	1.73	3.29	1.77	-1.43	0.20	0.39	0.77	1.00	1.52	2.05	3.93	1.20
ROCKINGHAM	actual	3.90	6.37	5.49	2.16	3.58	4.05	3.86	1.00	4.62	5.05	6.28	3.79
	normal	3.20	3.44	3.40	3.56	4.24	3.92	3.32	0.00	3.40	3.44	3.40	3.12
	deviation	0.70	2.93	2.09	-1.40	-0.66	0.13	0.54	1.00	1.22	1.61	2.88	0.67
Average	actual	4.38	6.47	5.29	2.11	3.95	4.10	3.88	1.00	4.67	5.25	6.75	4.02
	normal	3.16	3.36	3.36	3.52	4.18	3.84	3.22	0.00	3.30	3.42	3.34	3.08
	deviation	1.22	3.11	1.93	-1.42	-0.23	0.26	0.66	1.00	1.37	1.83	3.41	0.94
<u>Southern Interior</u>													
HILLSBOROUGH	actual	3.53	4.09	5.53	1.75	3.13	4.00	3.16	1.00	4.11	5.08	5.56	2.62
	normal	3.32	3.68	3.60	3.72	4.32	4.16	3.60	0.00	3.88	3.56	3.52	3.36
	deviation	0.21	0.41	1.93	-1.97	-1.19	-0.16	-0.44	1.00	0.23	1.52	2.04	-0.74
MERRIMACK	actual	4.37	4.48	5.20	1.83	2.97	4.06	3.10	1.00	3.72	5.16	5.06	3.87
	normal	3.28	3.44	3.36	3.44	4.00	3.92	3.16	0.00	3.40	3.36	3.36	3.20
	deviation	1.09	1.04	1.84	-1.61	-1.03	0.14	-0.06	1.00	0.32	1.80	1.70	0.67
BELKNAP	actual	4.12	4.77	3.78	1.43	2.81	3.48	2.45	1.00	2.53	4.69	5.05	4.46
	normal	3.44	3.28	3.36	3.28	3.80	3.48	2.92	0.00	2.92	3.24	3.28	3.16
	deviation	0.68	1.49	0.42	-1.85	-0.99	0.00	-0.47	1.00	-0.39	1.45	1.77	1.30
Average	actual	4.01	4.45	4.84	1.67	2.97	3.85	2.90	1.00	3.45	4.98	5.22	3.65
	normal	3.35	3.47	3.44	3.48	4.04	3.85	3.23	0.00	3.40	3.39	3.39	3.24
	deviation	0.66	0.98	1.40	-1.81	-1.07	-0.01	-0.32	1.00	0.05	1.59	1.84	0.41
<u>South Western</u>													
CHESHIRE	actual	4.51	5.55	4.21	1.12	2.41	3.60	2.10	1.00	3.98	4.68	3.99	5.34
	normal	3.28	3.68	3.52	3.36	3.84	3.76	3.28	0.00	3.48	3.40	3.44	3.44
	deviation	1.23	1.87	0.69	-2.24	-1.43	-0.16	-1.18	1.00	0.50	1.28	0.55	1.90
SULLIVAN	actual	4.28	4.37	4.87	1.67	3.13	3.55	2.53	1.00	3.06	4.49	3.66	3.73
	normal	3.32	3.64	3.44	3.48	3.84	3.72	3.12	0.00	3.36	3.44	3.56	3.36
	deviation	0.96	0.73	1.43	-1.81	-0.71	-0.17	-0.59	1.00	-0.30	1.05	0.10	0.37
Average	actual	4.40	4.96	4.54	1.40	2.77	3.58	2.32	1.00	3.52	4.59	3.83	4.54
	normal	3.30	3.66	3.48	3.42	3.84	3.74	3.20	0.00	3.42	3.42	3.50	3.40
	deviation	1.10	1.30	1.06	-2.03	-1.07	-0.17	-0.89	1.00	0.10	1.17	0.33	1.14
<u>White Mountain</u>													
GRAFTON	actual	4.34	5.79	2.90	1.44	3.23	3.37	2.37	1.00	2.53	3.78	3.97	5.42
	normal	3.84	3.64	3.48	3.48	3.76	3.64	2.92	0.00	3.04	3.24	3.56	3.48
	deviation	0.50	2.15	-0.58	-2.04	-0.53	-0.27	-0.55	1.00	-0.51	0.54	0.41	1.94
CARROLL	actual	4.49	5.23	3.71	1.62	3.81	4.00	2.35	1.00	2.13	4.83	5.26	4.09
	normal	3.68	3.48	3.44	3.52	3.92	3.68	3.00	0.00	3.08	3.32	3.48	3.44
	deviation	0.81	1.75	0.27	-1.90	-0.11	0.32	-0.65	1.00	-0.95	1.51	1.78	0.65
Average	actual	4.42	5.51	3.31	1.53	3.52	3.69	2.36	1.00	2.33	4.31	4.62	4.76
	normal	3.76	3.56	3.46	3.50	3.84	3.66	2.96	0.00	3.06	3.28	3.52	3.46
	deviation	0.66	1.95	-0.16	-1.97	-0.32	0.03	-0.60	1.00	-0.73	1.03	1.10	1.30
<u>North Country</u>													
COOS	actual	4.89	6.56	2.88	1.97	4.25	4.03	2.61	1.00	3.14	4.45	4.82	5.59
	normal	3.96	4.00	3.40	3.48	3.48	3.44	2.72	0.00	2.76	3.04	3.32	4.16
	deviation	0.93	2.56	-0.52	-1.51	0.77	0.59	-0.11	1.00	0.38	1.41	1.50	1.43

# LAMPREY RIVER near NEWMARKET NH

## Gage# 01073500



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



◆ Monthly Mean Flow	220	32	80	53	206	338	498	212	79	241	1125	529	207	56	89	145	119	217	508	369	368	477	857	685	415
■ Mean of Monthly Flow s	192	92	70	70	128	260	330	281	300	605	694	351	192	91	71	71	128	259	333	282	301	603	696	355	195
% of Normal	115%	35%	114%	76%	161%	130%	151%	75%	26%	40%	162%	151%	108%	62%	125%	204%	93%	84%	153%	131%	123%	79%	123%	193%	213%

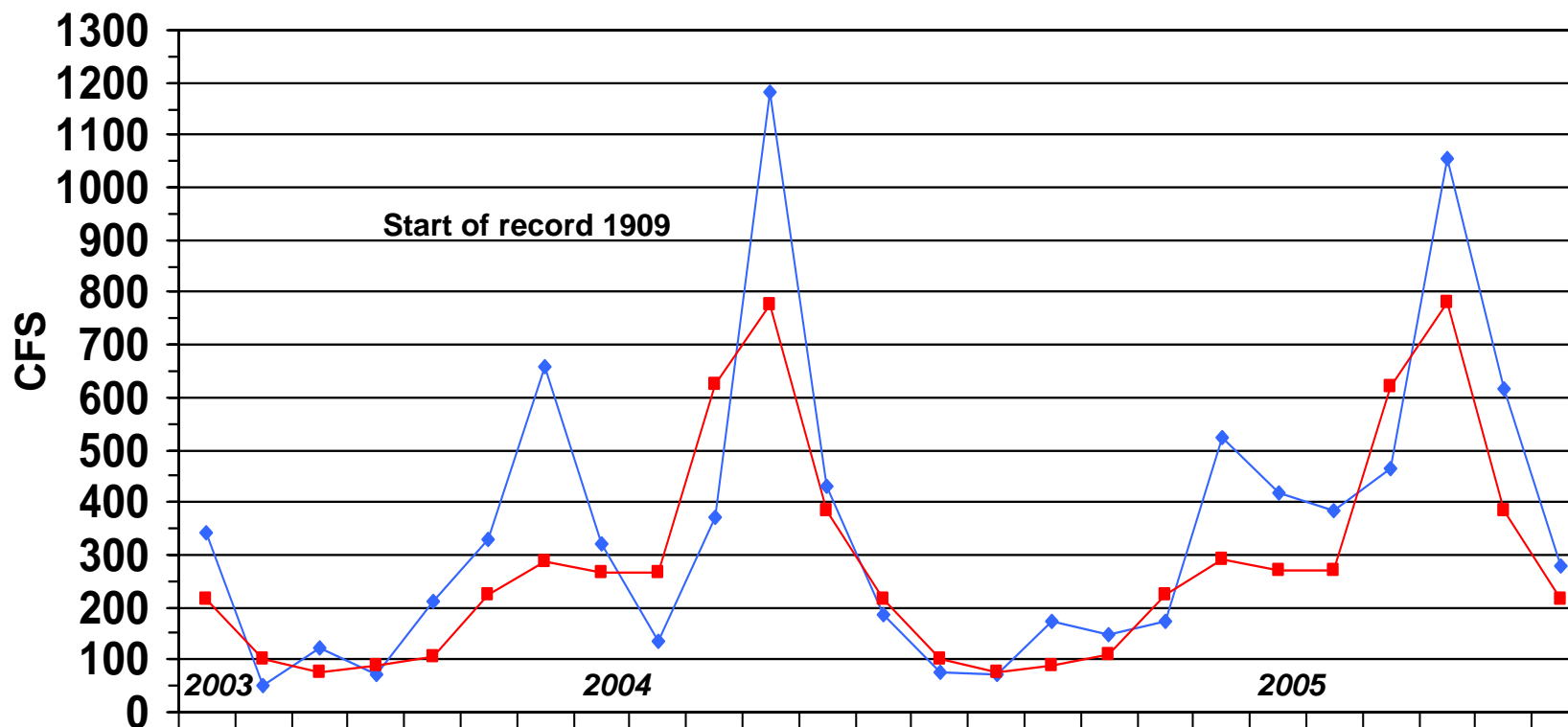
NH DES, Dam Bureau, Source: USGS (Ice: 01/03,12/04)

# SOUHEGAN RIVER at MERRIMACK NH

Gage# 01094000



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



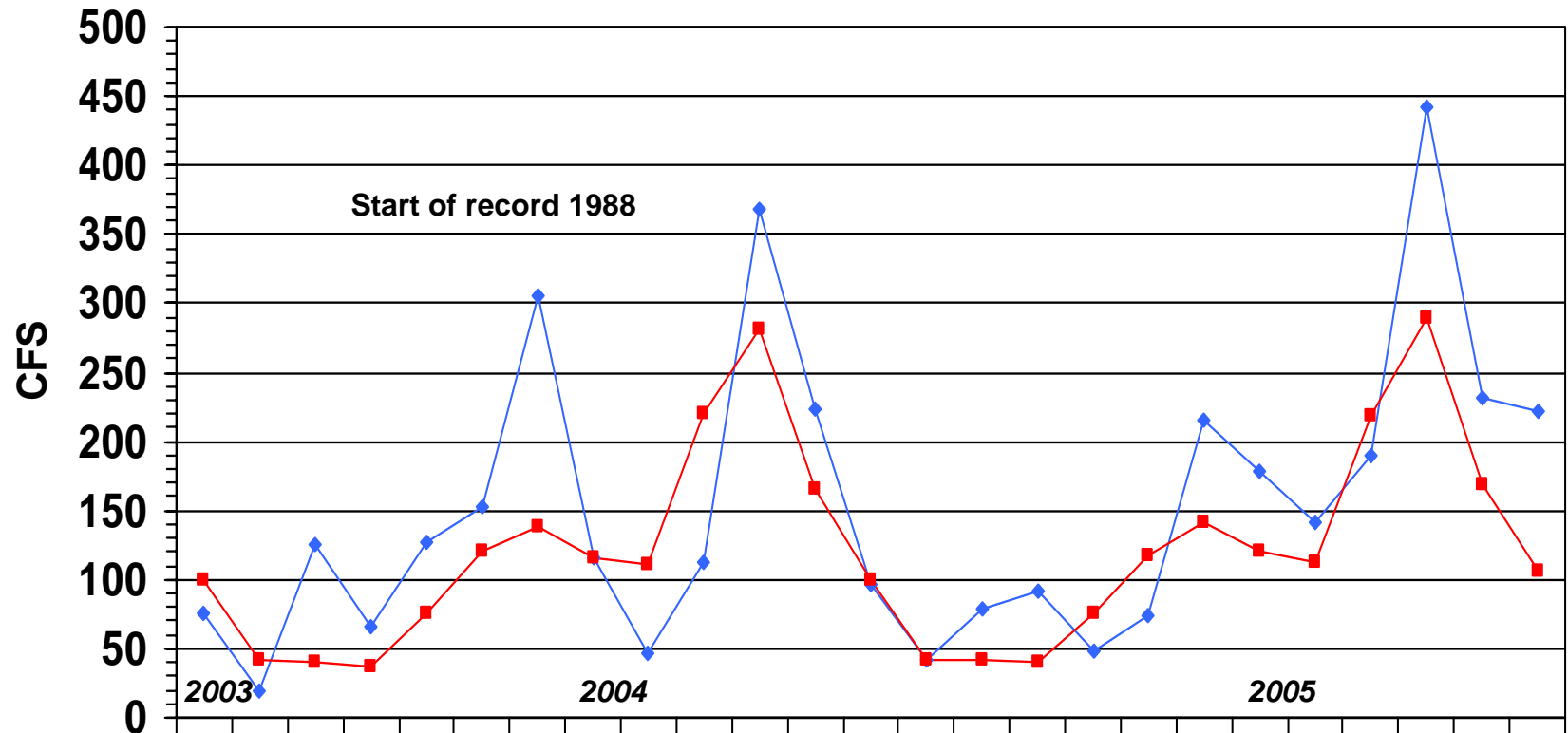
	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Monthly Mean Flow	342	52	123	71	209	330	657	319	137	371	1181	430	184	76	71	173	146	171	525	419	386	465	1056	618	279
Mean of Monthly Flows	215	101	78	88	107	225	288	268	268	624	776	382	214	100	78	89	108	224	292	270	270	622	780	385	215
% of Normal	159%	51%	158%	81%	195%	147%	228%	119%	51%	59%	152%	112%	81%	65%	79%	194%	135%	76%	180%	155%	143%	75%	135%	161%	130%

NH DES, Dam Bureau, Source: USGS (ice-01/03,02/03,03/03,01/04,02/04)

# **SOUCOOK RIVER at PEMBROKE ROAD** **near CONCORD NH, Gage# 01089100**



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Monthly Mean Flow	76	20	126	66	127	153	306	115	47	112	368	224	97	42	79	91	49	74	215	179	141	189	442	232	222
Mean of Monthly Flows	99	41	40	37	76	120	138	116	111	221	281	165	99	41	42	40	75	117	142	120	113	219	290	169	106
% of Normal	77%	49%	315%	178%	166%	128%	222%	99%	42%	51%	133%	136%	98%	102%	188%	228%	65%	63%	149%	143%	125%	84%	152%	137%	115%

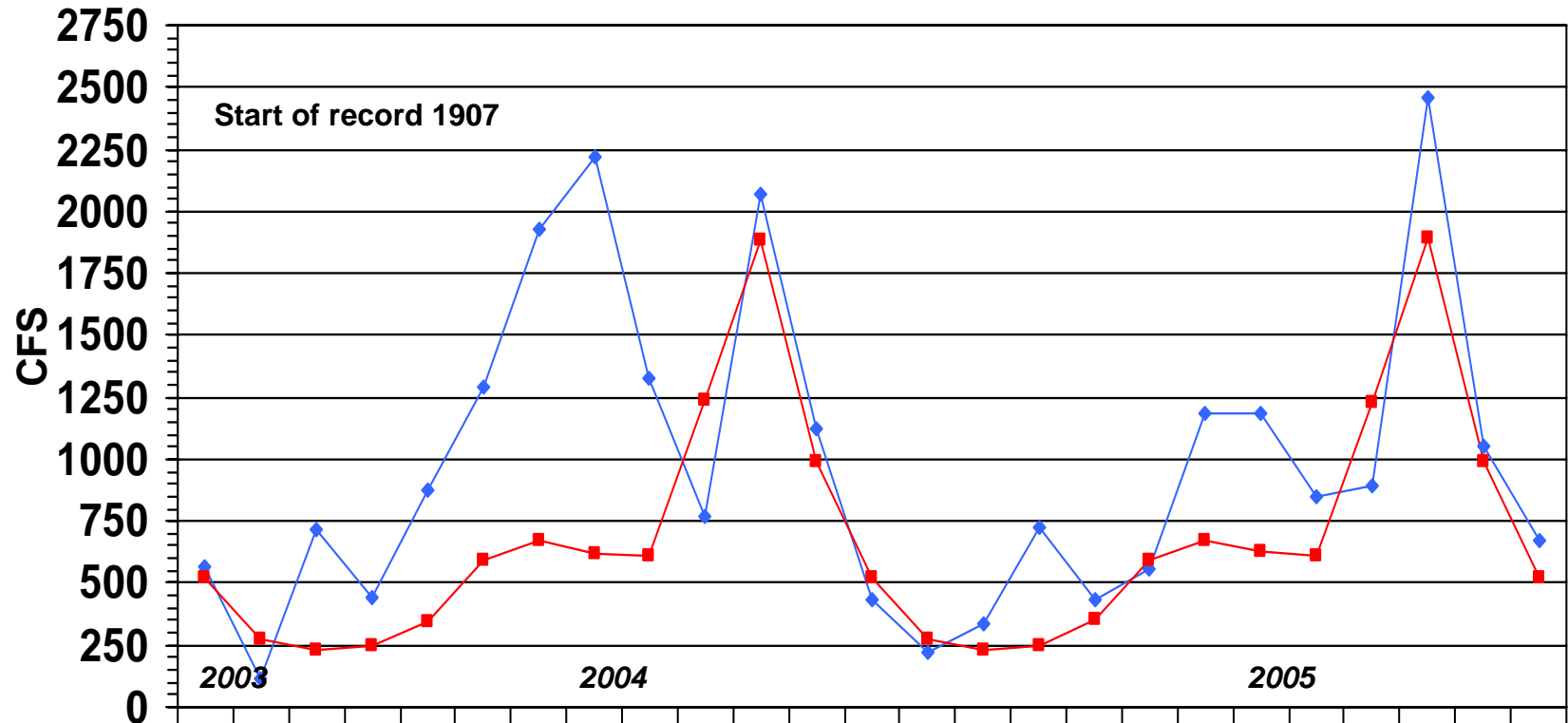
NH DES, Dam Bureau, Source: USGS ([ice: 01/03, 02/03, 03/03, 01/04, 02/04, 03/04](#)).

# ASHUELOT RIVER at HINSDALE NH

Gage# 01161000



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Monthly Mean Flow	570	118	712	443	878	1290	1932	2220	1324	769	2072	1122	437	224	334	721	434	554	1185	1182	850	890	2454	1048	671
Mean of Monthly Flows	524	274	229	244	349	594	670	618	608	1236	1882	991	523	274	230	249	350	593	675	624	610	1232	1888	991	524
% of Normal	109%	43%	311%	182%	252%	217%	288%	359%	218%	62%	110%	113%	84%	82%	145%	290%	117%	80%	170%	184%	139%	72%	130%	106%	128%

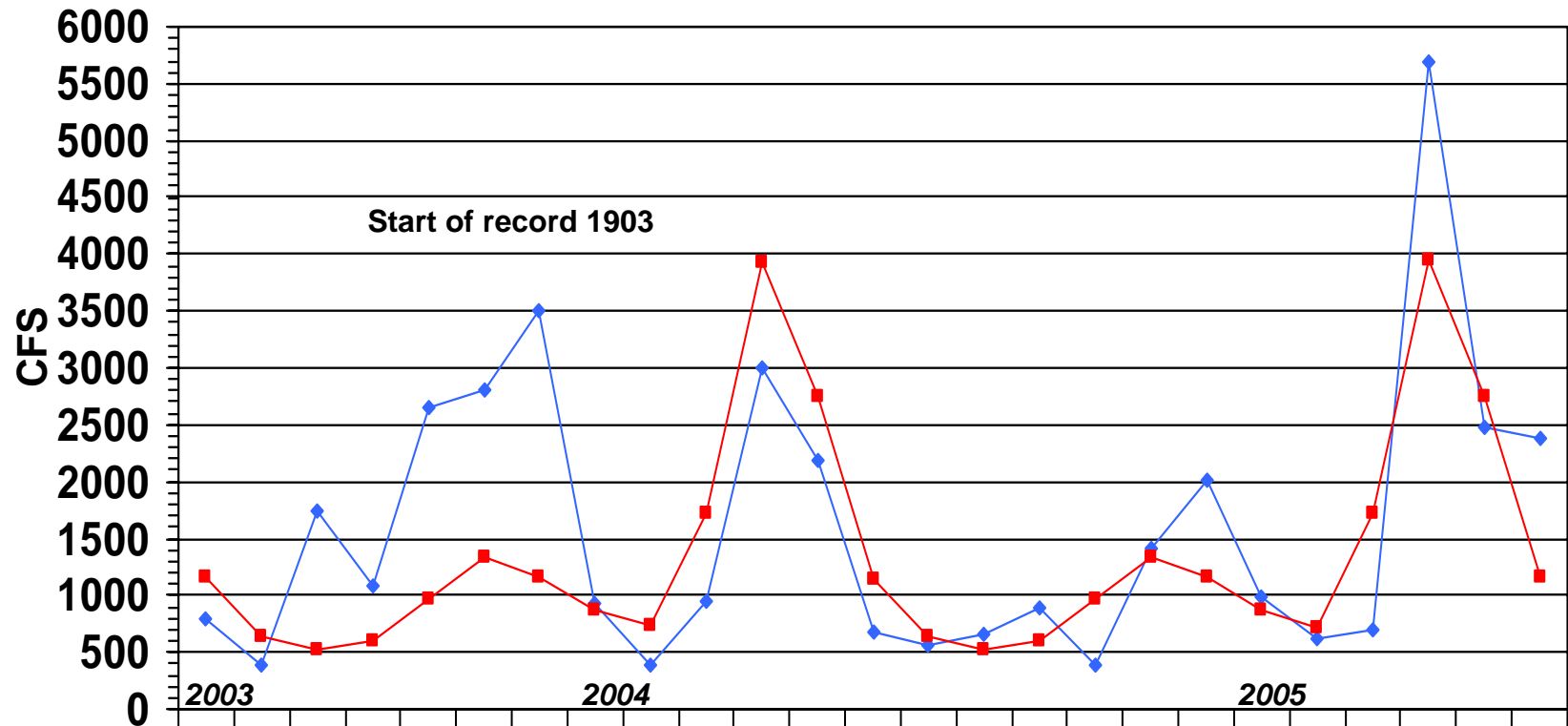
NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,01/04,02/04,03/04)

# PEMIGEWASSET RIVER at PLYMOUTH NH

Gage# 01076500



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June
Monthly Mean Flow	799	380	1737	1083	2644	2800	3495	936	380	949	3009	2191	681	563	654	890	393	1416	2014	986	614	702	5697	2473	2385
Mean of Monthly Flow s	1152	635	513	595	970	1342	1152	869	726	1728	3924	2756	1147	634	515	598	964	1342	1161	870	725	1718	3941	2754	1159
% of Normal	69%	60%	339%	182%	271%	209%	303%	108%	52%	55%	77%	79%	59%	89%	127%	149%	41%	106%	173%	113%	85%	41%	145%	90%	206%

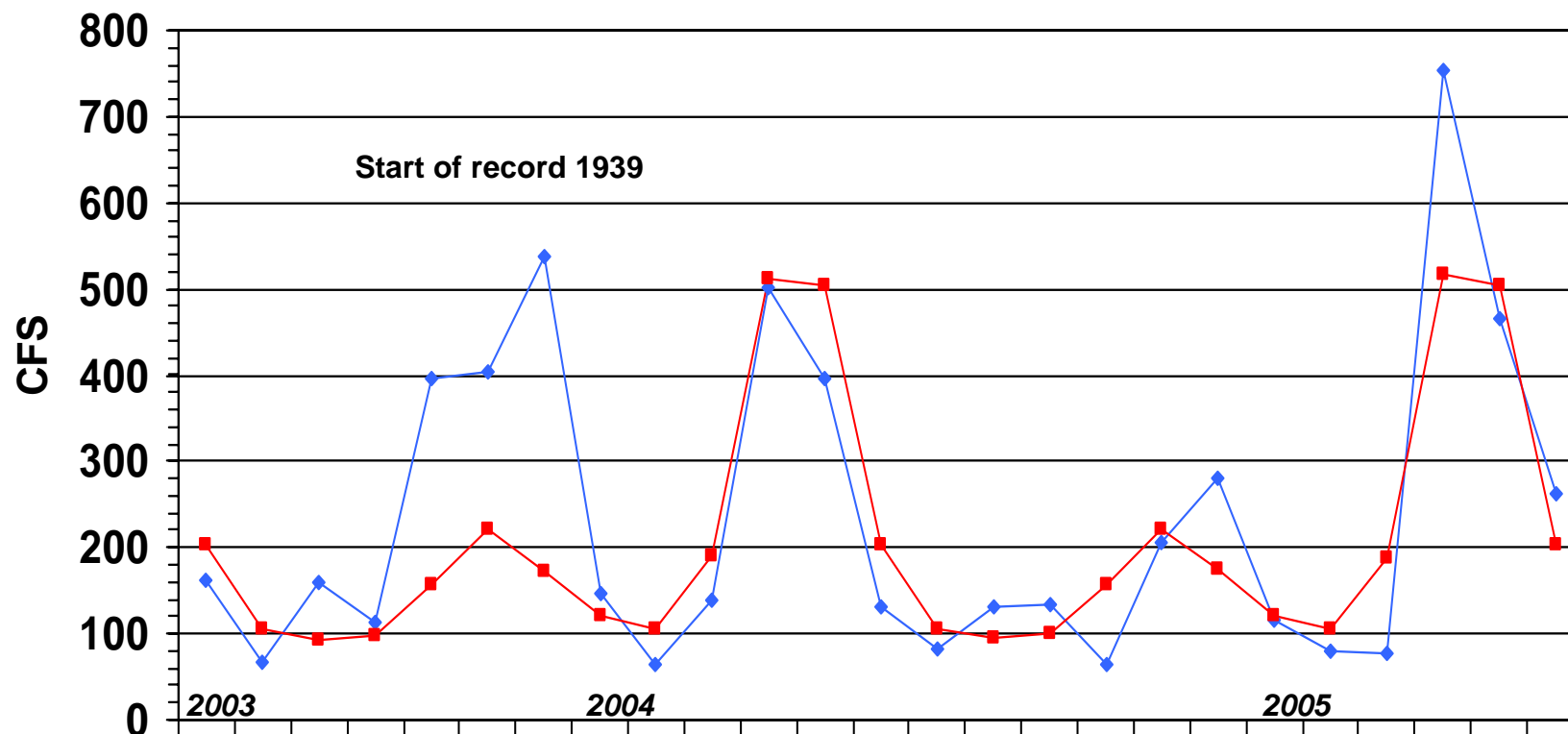
NH DES, Dam Bureau, Source: USGS (ice: 01/03,02/03,03/03,12/03,01/04,02/04,03/04,12/04)

# AMMONOOSUC RIVER at BETHLEHEM JUNCTION NH

**Gage# 01137500**

## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

This station replaces gage# 01137000 which was discontinued by DES at the end of Sept 2004



	2003			2004			2005			2006			2007			2008			2009			2010			2011		
	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June		
◆ Monthly Mean Flow	163	68	160	112	395	403	537	146	64	138	501	397	131	82	130	135	64	207	281	117	80	77	753	465	262		
■ Mean of Monthly Flows	204	105	93	99	158	221	172	120	105	190	513	503	203	105	94	100	157	221	174	120	105	188	516	503	204		
% of Normal	80%	65%	172%	113%	250%	182%	312%	122%	61%	73%	98%	79%	65%	78%	138%	135%	41%	94%	161%	98%	76%	41%	146%	92%	128%		

# STREAMFLOW DATA FOR SELECTED NH STATIONS AS OF JULY 18, 2005



Station number	Station name	Est. Mean Flow (cfs)	Long Term Median Flow	99% Flow (cfs)	7Q10 Flow (cfs)	Lowest Period of Record Daily Flow (cfs)	% of Median	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
<b>Androscoggin River Basin</b>										
01052500	Diamond River near Wentworth Location, NH	114	89	22	16	6.8	128%	FALSE	FALSE	FALSE
01053500	Androscoggin River at Errol, NH	1,720	1,670	500	451	0	103%	FALSE	FALSE	FALSE
01054000	Androscoggin River near Gorham, NH	1,830	1,890	1300	1310	795	97%	FALSE	FALSE	FALSE
<b>Saco River Basin</b>										
01064500	Saco River near Conway, NH	528	295	105	97	66	179%	FALSE	FALSE	FALSE
01064801	BEARCAMP RIVER AT SOUTH TAMWORTH, NH	47	30	6	4.8	4.5	157%	FALSE	FALSE	FALSE
<b>Piscataqua River Basin</b>										
01072100	SALMON FALLS RIVER AT MILTON, NH	dis	dis	27	24	16		#VALUE!	#VALUE!	#VALUE!
01073500	LAMPREY RIVER NEAR NEWMARKET, NH	192	58	7	5 --		331%	FALSE	FALSE	
<b>Merrimack River Basin</b>										
01074520	EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH	157	129	55	49	46	122%	FALSE	FALSE	FALSE
01075000	PEMIGEWASSET RIVER AT WOODSTOCK, NH	241	166	65	56 --		145%	FALSE	FALSE	
01076000	BAKER RIVER NEAR RUMNEY, NH	80	48	18	15 --		167%	FALSE	FALSE	
01076500	PEMIGEWASSET RIVER AT PLYMOUTH, NH	642	376	130	118	45	171%	FALSE	FALSE	FALSE
01078000	SMITH RIVER NEAR BRISTOL, NH	66	26	7	6.2	2.7	254%	FALSE	FALSE	FALSE
01081000	WINNIPESAUKEE RIVER AT TILTON, NH	508	347	143	136	48	146%	FALSE	FALSE	FALSE
01081500	MERRIMACK RIVER AT FRANKLIN JUNCTION, NH	1,450	1,180	520*	551 --		123%		FALSE	
01082000	CONTOOCOOK RIVER AT PETERBOROUGH, NH	62	29	5.5	6.3 --		214%	FALSE	FALSE	
01085000	CONTOOCOOK RIVER NEAR HENNIKER, NH	260	166	40	37 --		157%	FALSE	FALSE	
01085500	CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH	328	185	35	39 --		177%	FALSE	FALSE	
01086000	WARNER RIVER AT DAVISVILLE, NH	149	33.5	6	5.3 --		445%	FALSE	FALSE	
01087000	BLACKWATER RIVER NEAR WEBSTER, NH	111	56.5	15.5	13.7 --		196%	FALSE	FALSE	
01090800	PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH	36	19	1.7	1.2 --		189%	FALSE	FALSE	
01091500	PISCATAQUOG RIVER NEAR GOFFSTOWN, NH	109	48	8	8.8 --		227%	FALSE	FALSE	
01092000	MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH	3,620	1,690	560*	644	98*	214%		FALSE	
01094000	SOUHEGAN RIVER AT MERRIMACK, NH	89	56	15	12.9 --		159%	FALSE	FALSE	
<b>Connecticut River Basin</b>										
01129200	CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH	362	365		42	30	99%	FALSE	FALSE	FALSE
01129500	CONNECTICUT RIVER AT NORTH STRATFORD, NH	705	728		176	108	97%	FALSE	FALSE	FALSE
01131500	CONNECTICUT RIVER NEAR DALTON, NH	1,370	1,125		389	115	122%	FALSE	FALSE	FALSE
01137500	AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH	104	73		28	21	142%	FALSE	FALSE	FALSE
01138500	CONNECTICUT RIVER AT WELLS RIVER, VT	1,980	1,940		690	152*	102%		FALSE	
01144500	CONNECTICUT RIVER AT WEST LEBANON, NH	5,000	2,660	380*	902	82*	188%		FALSE	
01152500	SUGAR RIVER AT WEST CLAREMONT, NH	191	111	40	38	14	172%	FALSE	FALSE	FALSE
01154500	CONNECTICUT RIVER AT NORTH WALPOLE, NH	2,360	3,230	260*	1058	115*	73%		FALSE	
01158000	ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH	87	28	4.5	2.7	0.4	311%	FALSE	FALSE	FALSE
01158600	OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH	58	15	1.6	1.1	0.3	387%	FALSE	FALSE	FALSE
01160350	ASHUELOT RIVER AT WEST SWANZEY, NH	300	114	32 --	--		263%	FALSE		

\*Flow duration and record low mean daily flow significantly affected by reservoir operations

\*\*Estimated

Source: USGS, NH DES

SUMMARY			
	Below 0.99 Flow?	Below 7Q10 Flow?	Below Record Flow?
FALSE =	28	32	16
TRUE =	0	0	0

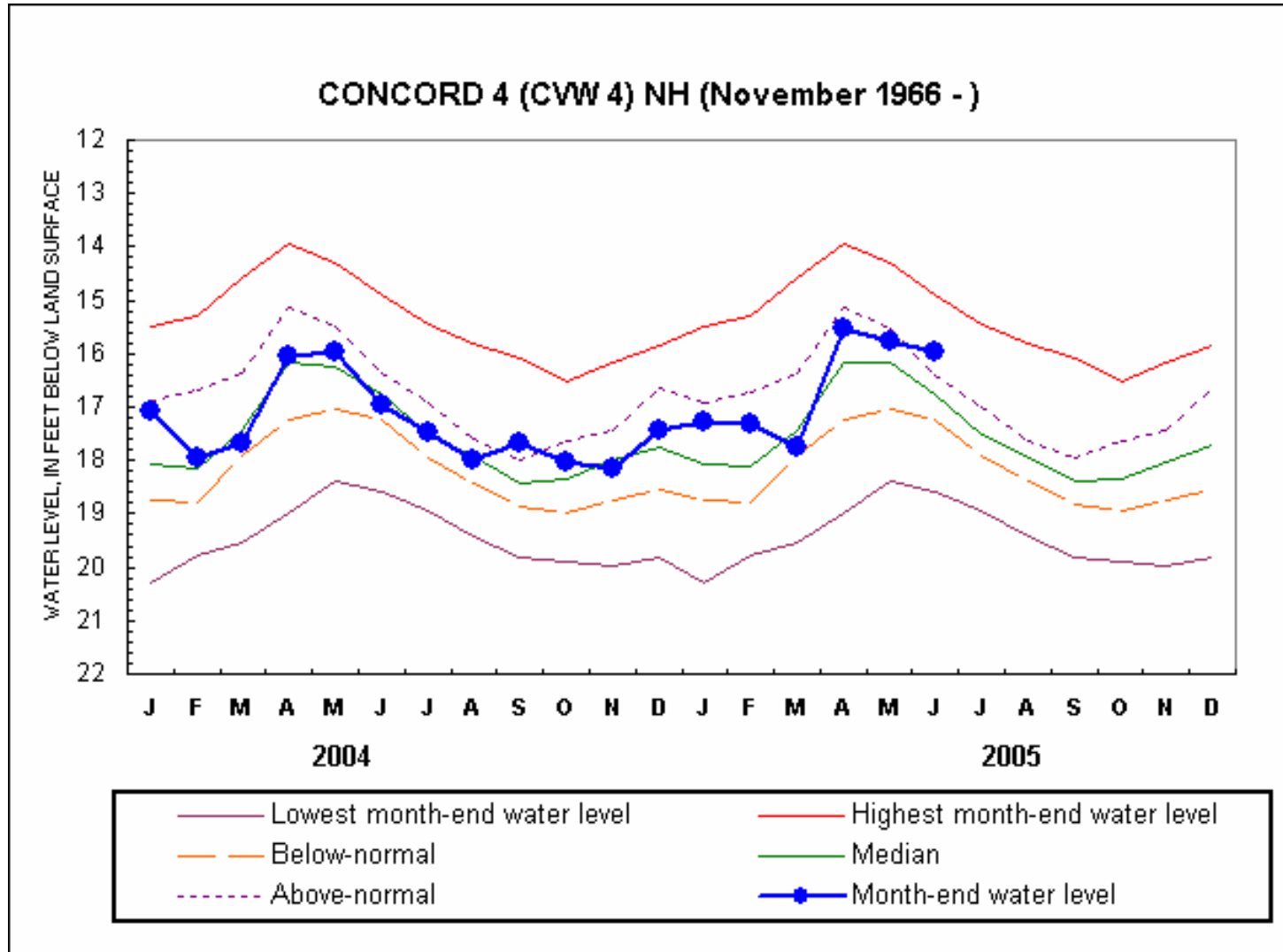
# New Hampshire Groundwater Levels for June 2005



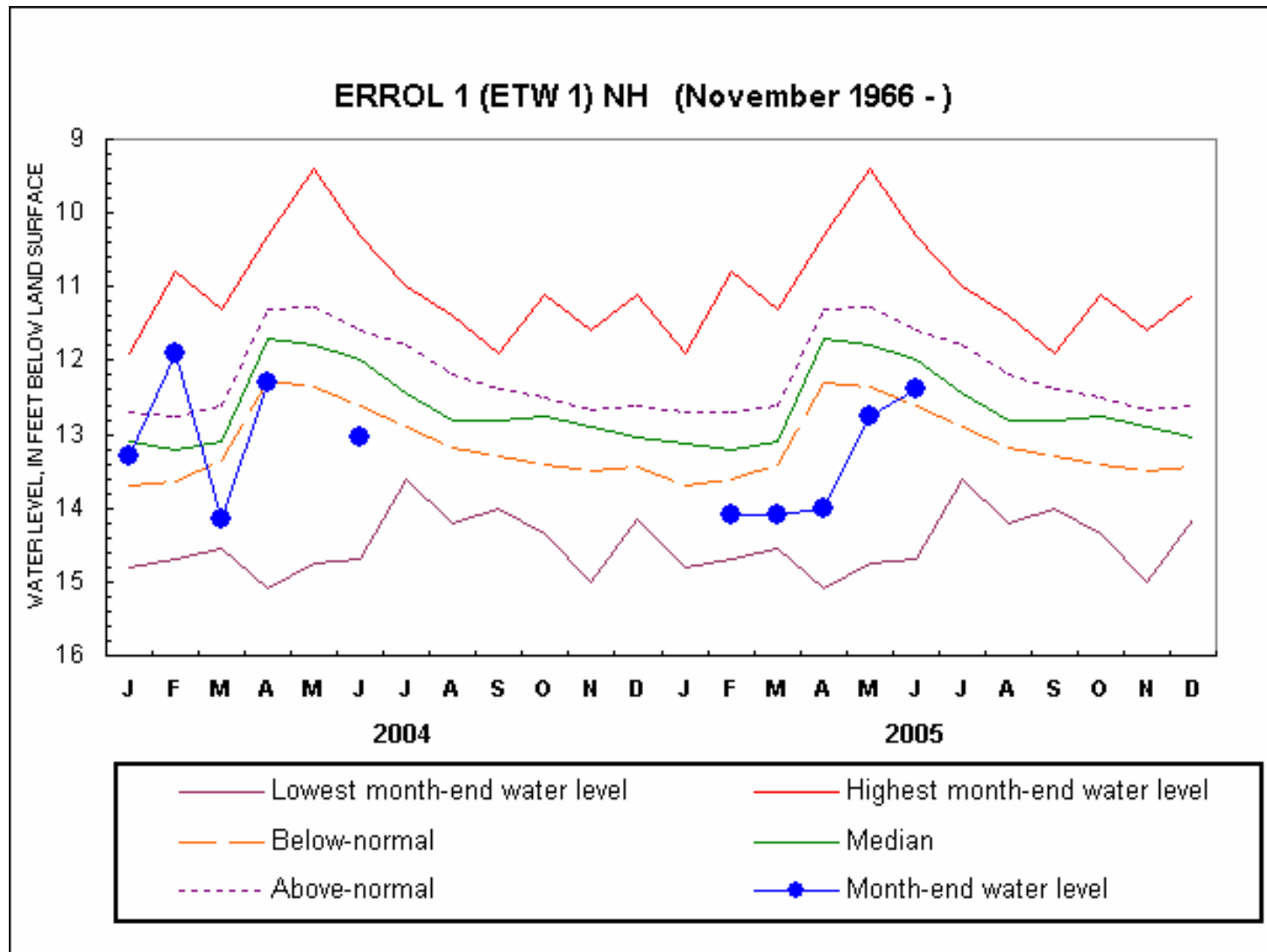
WELL	START OF WATER LEVEL BELOW		NET CHANGE		NET CHANGE		DEPARTURE FROM		PERCENT OF	
	RECORD	SURFACE DATUM (ft)	IN ONE MONTH (ft)	IN ONE YEAR (ft)	MEDIAN	RANGE (ft)	MONTHLY MEDIAN (FT)	RANGE	STATUS	
ALBANY 14	1995	5.38	-1.19	-1.34	6.36	2.88	+0.98	34.0	ABOVE NORMAL	
ALBANY 15	1995	7.22	-1.44	-1.54	8.34	4.62	+1.12	24.2	ABOVE NORMAL	
BARNSTEAD 10	1995	2.45	-0.98	-0.48	2.93	0.43	+0.48	111.6	ABOVE NORMAL	
CAMPTON 34	1988	11.15	-0.11	-1.74	12.60	1.80	+1.45	80.6	ABOVE NORMAL	
COLEBROOK 73	1995	7.01	-0.21	+0.84	7.72	1.1	0.71	64.5	ABOVE NORMAL	
CONCORD 2	1963	40.14	+0.16	+1.07	41.37	4.28	+1.23	28.7	NORMAL	
CONCORD 4	1966	15.98	-0.20	+0.99	16.78	1.90	+0.80	42.1	ABOVE NORMAL	
DEERFIELD 46	1984	37.81	+0.06	-0.06	38.09	0.57	+0.28	49.1	NORMAL	
ENFIELD 30	1990	2.22	-0.26	+2.23	4.42	1.59	+2.20	138.4	ABOVE NORMAL	
ERROL 1	1966	12.4	+0.4	+0.7	12.0	2.7	-0.4	-14.8	NORMAL	
FRANKLIN 1	1966	9.49	+0.27	+0.78	11.19	4.35	+1.70	39.1	ABOVE NORMAL	
GREENFIELD 75	1995	56.69	+0.75	+0.41	60.94	2.16	+1.25	57.9	ABOVE NORMAL	
HOOKSETT 5	1965	47.02	+0.10	+0.54	47.34	3.94	+0.32	8.1	NORMAL	
KEENE 2	1963	3.70	-0.69	+0.41	4.24	2.42	+0.54	22.3	NORMAL	
LANCASTER 1	1966	2.00	-2.20	+0.40	1.96	0.54	-0.04	-7.4	NORMAL	
LEE 1	1953	30.00	+0.38	+0.90	30.98	1.38	+0.98	71.0	ABOVE NORMAL	
LISBON 19	1990	13.21	-0.18	+1.13	14.18	1.17	+0.97	82.9	ABOVE NORMAL	
NASHUA 218	1964	26.90	-0.06	+0.48	27.72	1.42	+0.82	57.7	ABOVE NORMAL	
NEW DURHAM 53	1986	18.77	-0.19	+0.48	19.22	1.55	+0.45	29.0	ABOVE NORMAL	
NEW LONDON 1	1947	4.99	+2.42	+4.07	8.85	4.07	+3.86	94.8	ABOVE NORMAL	
NEWPORT 3	1995	5.01	+0.30	+0.96	5.64	0.99	+0.63	63.6	ABOVE NORMAL	
NEWPORT 6	1995	5.09	+0.35	+0.98	5.70	0.99	+0.61	61.6	ABOVE NORMAL	
OSSIPEE 38	1995	33.89	-0.11	+1.14	34.99	1.34	+1.10	82.1	ABOVE NORMAL	
SHELBURNE 2	1995	3.90	-1.07	+1.25	4.49	0.79	+0.59	74.7	ABOVE NORMAL	
WARNER 1	1965	28.17	-0.33	+1.00	29.07	2.79	+0.90	32.3	ABOVE NORMAL	

Source: USGS, NH DES





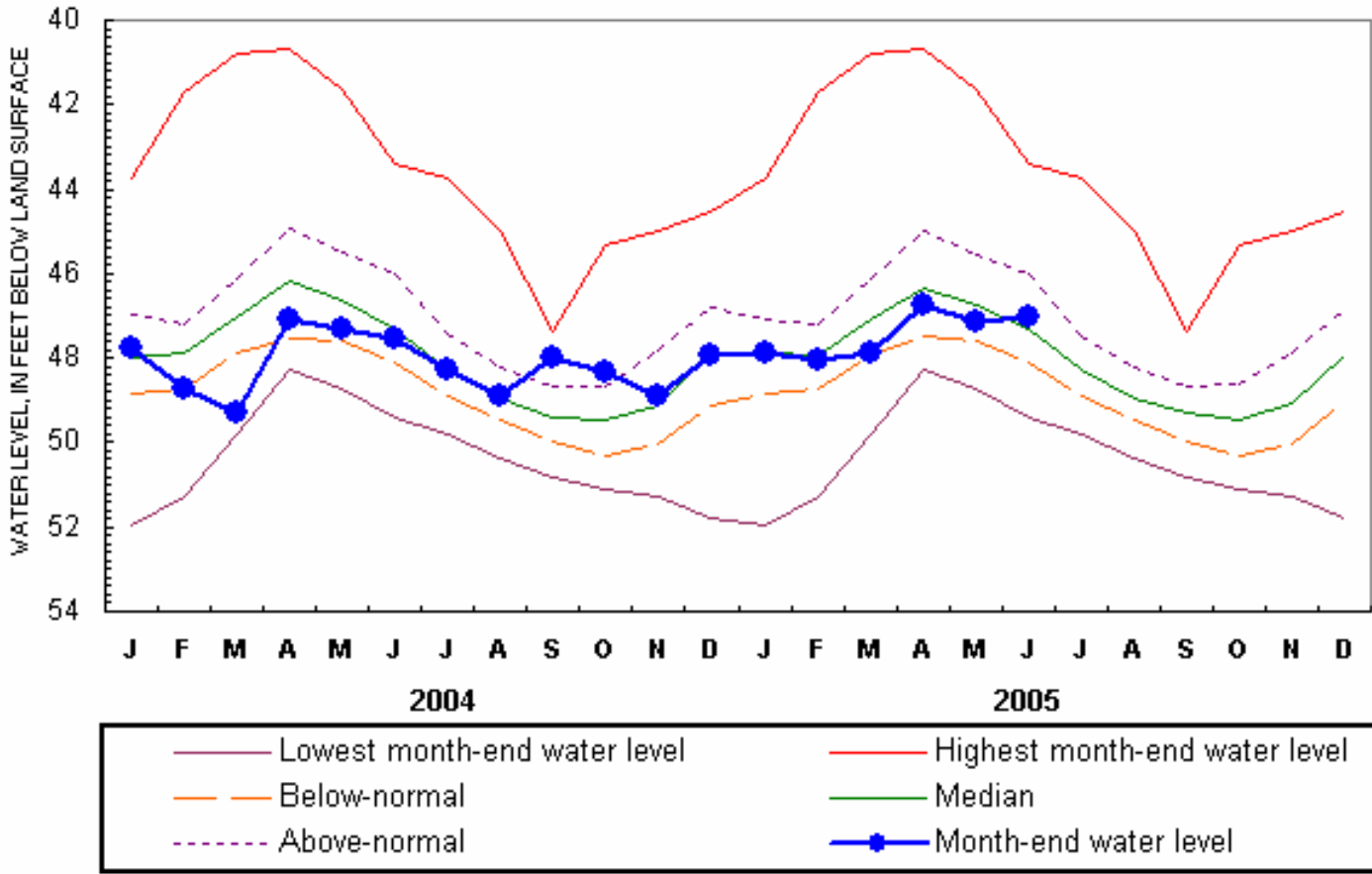
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.



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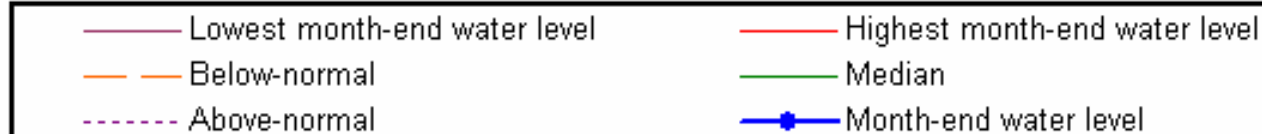
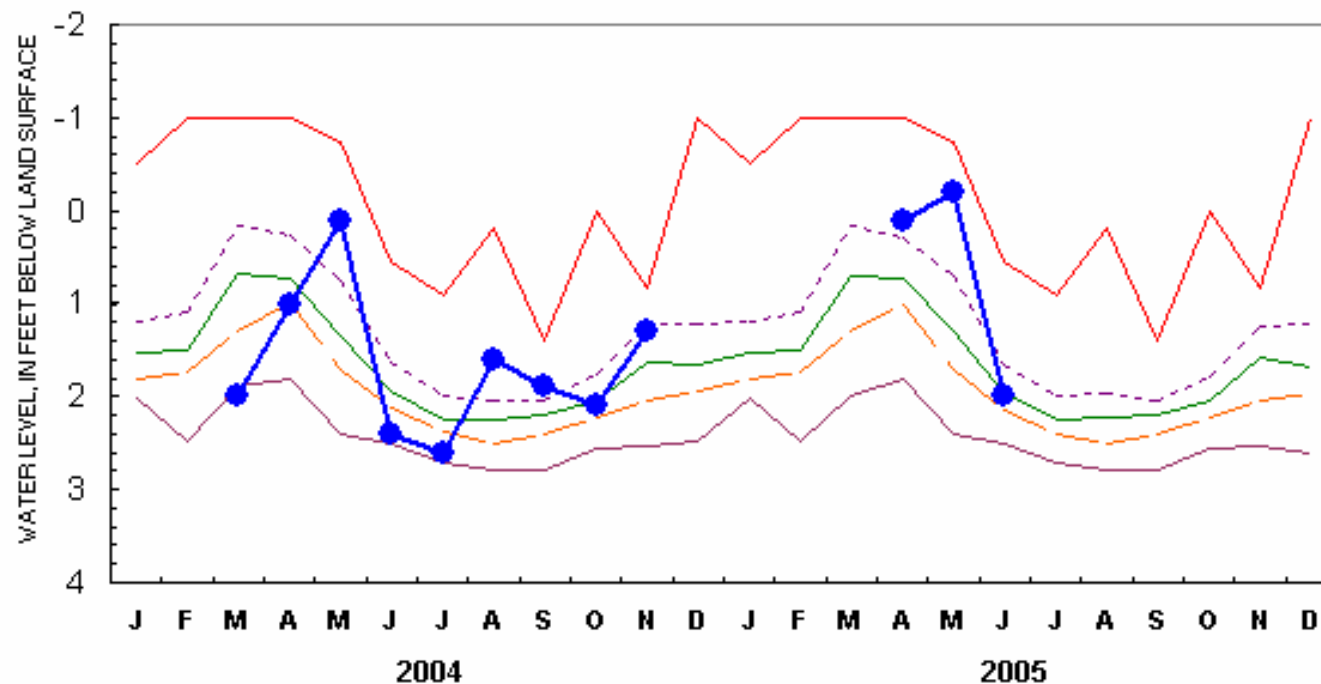
**HOOKSETT 5 (HTW 5) NH (April 1965 - )**



Highest and lowest month-end water levels are monthly extremes for the period of record  
Above-normal is the 75% quartile (25% of month-end water levels were higher)  
Below-normal is the 25% quartile (25% of month-end water levels were lower)  
Median is the 50% quartile (half of the month-end water levels were higher or lower)  
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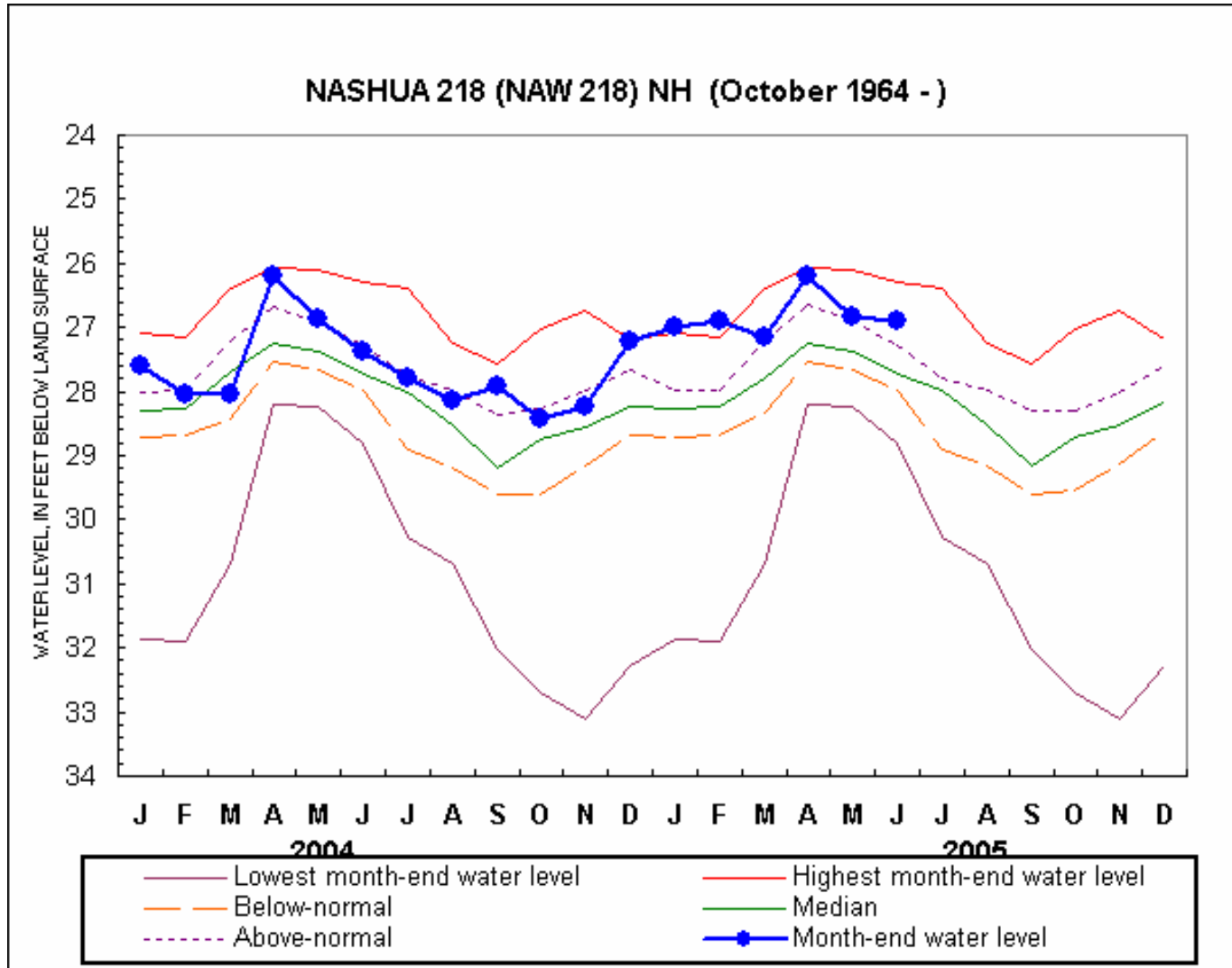


# LANCASTER 1 (LCW 1) NH (November 1966 - May 1980, April 1981)

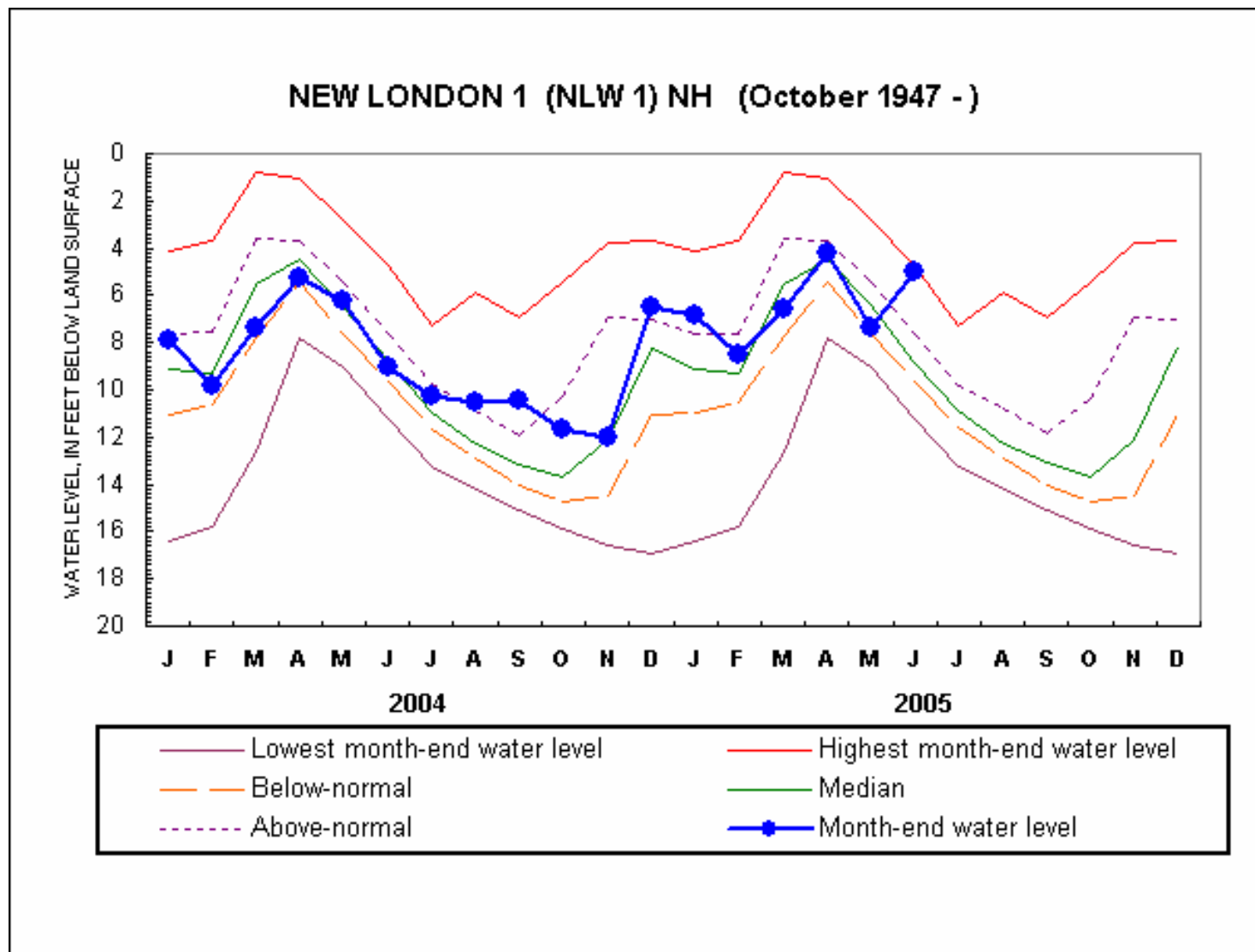


Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
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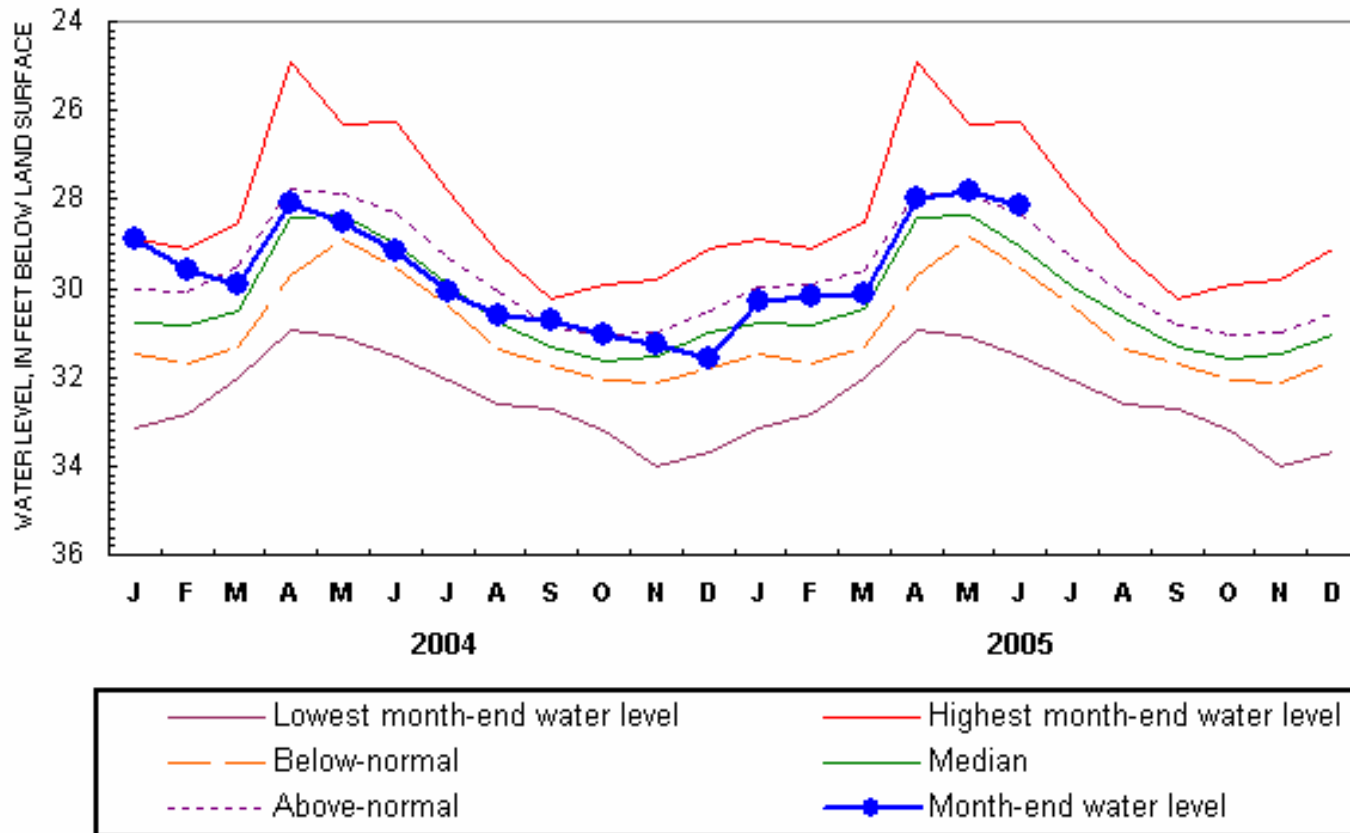


Highest and lowest month-end water levels are monthly extremes for the period of record  
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WARNER 1 (WCW 1) NH (December 1965 - )

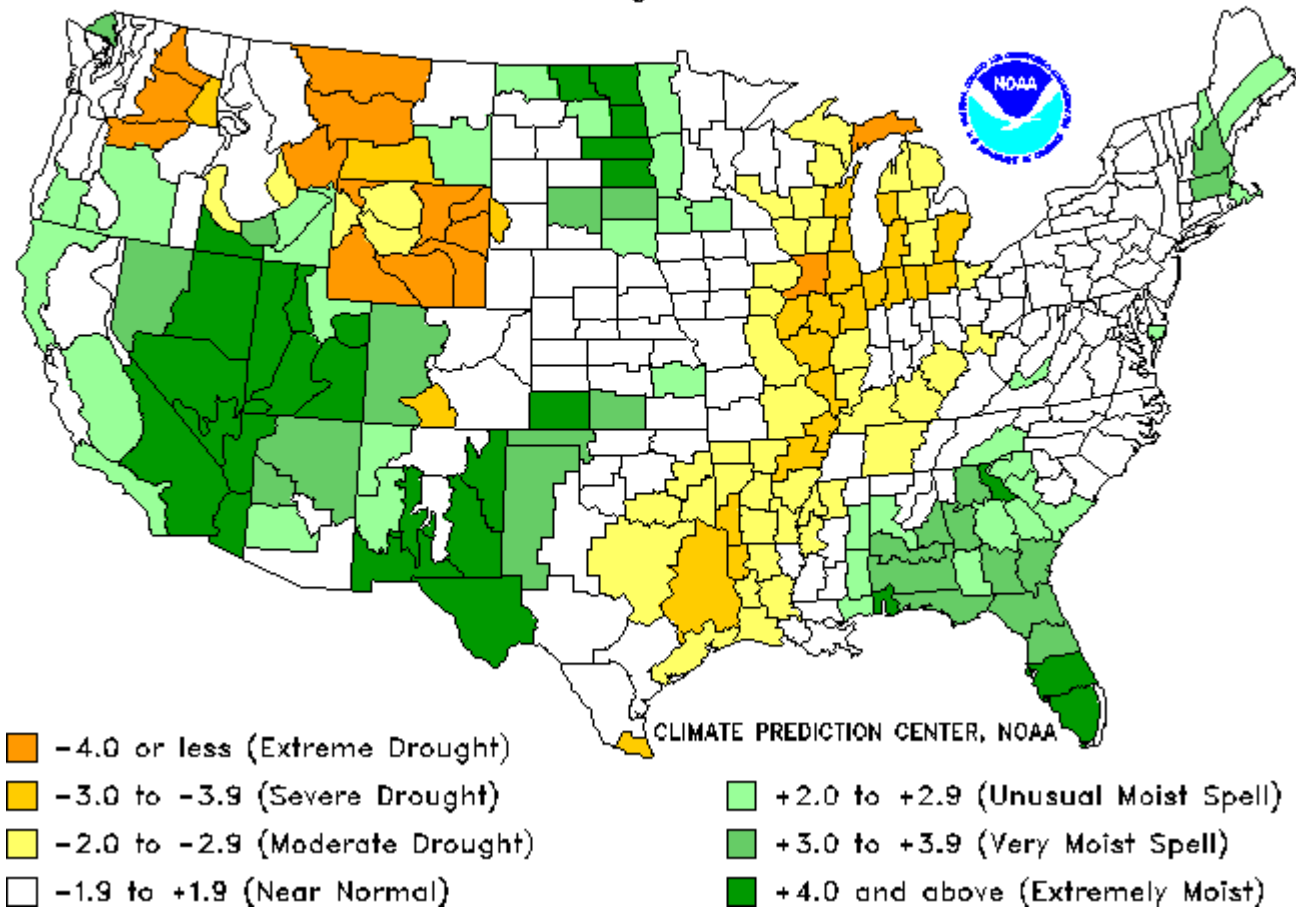


Highest and lowest month-end water levels are monthly extremes for the period of record  
Above-normal is the 75% quartile (25% of month-end water levels were higher)  
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## Drought Severity Index by Division

Weekly Value for Period Ending 9 JUL 2005

Long Term Palmer



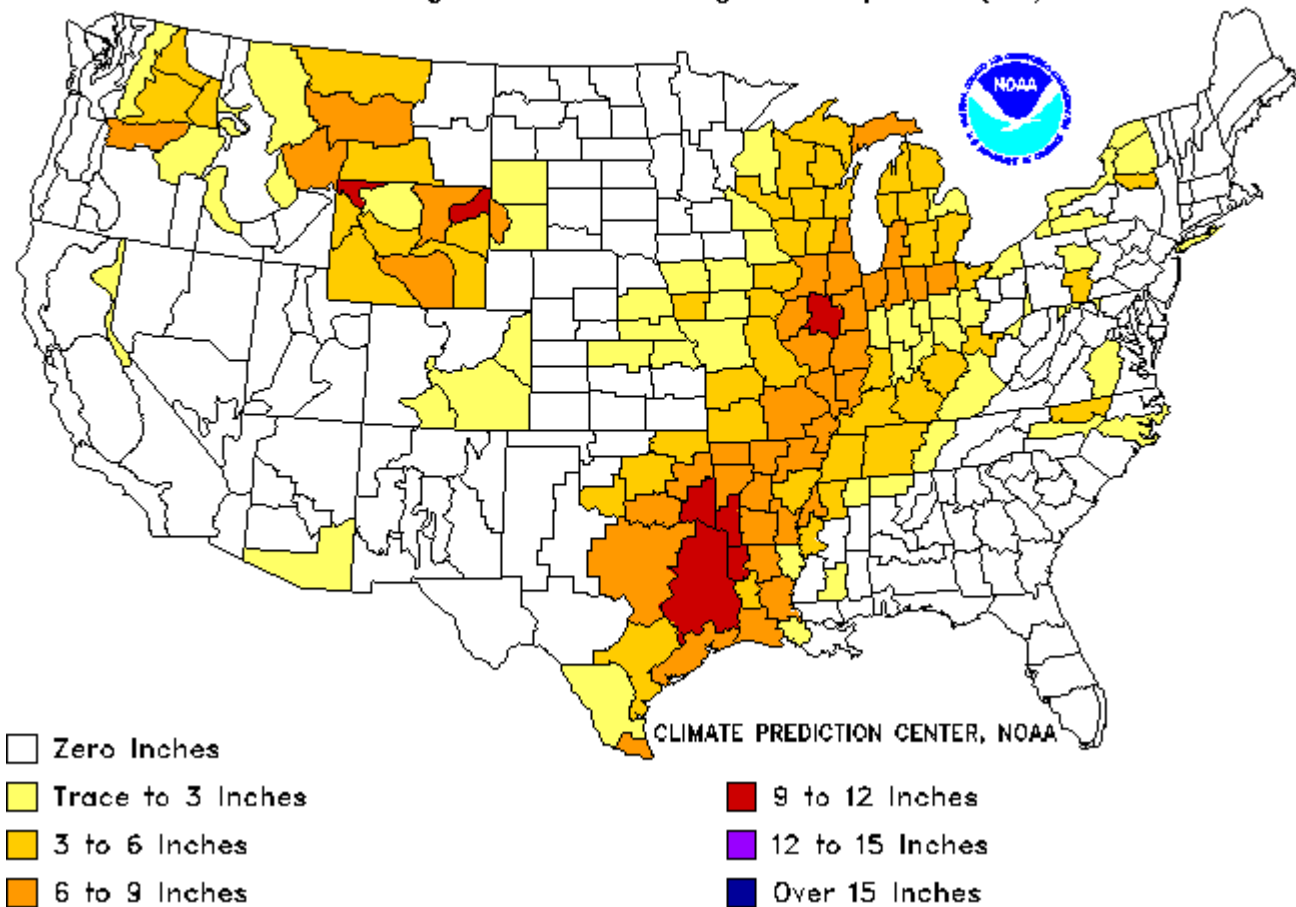
## THE PALMER DROUGHT SEVERITY INDEX

The Palmer Index uses temperature and rainfall information in a formula to determine dryness. The advantage of the Palmer Index is that it is standardized to local climate.

## Additional Precip. Needed (In.) to Bring PDI to -0.5

Weekly Value for Period Ending 9 JUL 2005

Long Term Palmer Drought Severity Index (PDI)



This is the amount of rainfall required in a week's time to bring the index back to zero inches required.